unAX2IO+

AES67 IN-WALL I/O INTERFACE

Preliminary - Available in Q3 2017

The unAX2IO+ AES67 audio interface is a cost effective multi-IO wall plate. The unAX2IO+ features two balanced mic/line XLR inputs, two balanced XLR line outputs, and a further two balanced line inputs on de-pluggable connectors on the side of the unit. All inputs and outputs can be used simultaneously and all audio channels are available separately. The unAX2IO+ is designed to fit into all dual gang US junction boxes, mud rings, and old work brackets. The unAX2IO+ is PoE enabled, so all connectivity (power, control, and data) is provided by a single CAT-5/6 cable. The unAX2IO+'s size and I/O density make it easy to put audio connectivity wherever it's needed.

FEATURES AND BENEFITS

- Small form factor, can be unobtrusively located near analog sources or sinks
- Four input gains to accommodate common line levels, dynamic, and phantom powered mics
- +48V phantom power per channel - powers all types of phantom powered microphones typically used in installed AV systems
- Analog output gain is software adjustable between 0dB and –60dB plus mute to accommodate all types of line input audio equipment—both consumer and pro levels
- Industry standard +20dBu maximum input levels (w –15dB pad active) and +20dBu maximum output levels
- Uses standard IEEE 802.3af PoE power
- Front Panel LED for status and identification
- AES67 for compatibility with QSC Core DSPs
- Supports configuration within QSYS Designer

APPLICATIONS

- Easily accessible microphone audio interface for presentation audio systems in meeting spaces, classrooms, theaters and hospitality venues.
- House of worship AES67 connectivity for musicians and worship leaders
- Conveniently located audio network I/O for reconfigurable AV systems in convention spaces and hospitality venues

ABOUT ATTERO TECH

Attero Tech is a leading provider of networked audio and connectivity interfaces. These innovative products make it cost effective for audio installations to include high performance connectivity. Attero Tech is headquartered in Fort Wayne, Indiana USA - where all of our products are designed and built. Contact us at:

260.496.9668 www.atterotech.com

unAX2IO+ Front and Rear Panels

SPECIFICATIONS

Mic/Line Input Type: Balanced and RF filtered XLR

Phantom Power: +48V, software selectable

Mic/Line Gain: -15dB (pad active), 0dB, +25dB, +40dB, software selectable

Input Impedance: >1.8K ohms at any gain setting

Equivalent Input Noise: -115dBu (+40dB gain)

Maximum Input Levels: +20dBu @ 0dB gain (pad active), +5dBu @ -3dB gain, -22dBu @ +25dB gain, -38dBu @ +40dB gain

Side Line Input Type: Balanced and RF filtered 3-pin depluggable, with software selectable pro or consumer input sensitivity

Output Type: Balanced line level on XLR

Output Gain: 0dB to –60dB plus mute, software selectable

Output Noise: <-85dBu @ 0dB gain

Maximum Output Level: +20dBu (@ 0dB output gain)

System THD: <.05% at any gain, input signal 3dB below maximum

PoE Class: Class 0 802.3af PoE PD compliant

Certifications: FCC 47CFR Parts 15B and 18 (Class A), EN 55011, ICES-003, CE (EN55022 Class A and EN55024 Class A)

Dimensions: 3.54” W x 4.2” H x 1.88” D

Operating Temperature: 0°C - 40°C

ARCHITECTS & ENGINEERS SPECS

The AES67 Break Out Interface shall have two balanced mic/line analog XLR inputs, two side mounted balanced line 3-pin deplugga-ble inputs, and two balanced line analog XLR outputs. Each analog input shall be capable of driving an AES67 multicast audio stream, and each analog output shall be capable of being driven from a AES67 multicast audio stream.

Each XLR input channel shall have +48V phantom power, selectable via software on a per channel basis. Each input channel shall have four gain levels: –15dB (pad active), 0dB, +25dB and +40dB, selectable via software on a per channel basis.

Each side-mounted balanced line input shall have software selectable input sensitivity for pro (+4dBu) or consumer (-10dBV) nominal signal levels.

Each output channel shall have adjustable gain between 0dB and –60dB plus mute in 1dB increments, selectable via software on a per channel basis.

All parameter changes will be non-volatile and self-restoring in the event of PoE power interruption.

The unit shall accept either +24VDC or IEEE 802.3af standard PoE as power input. The unit shall be compliant with FCC 47CFR Parts 15B and 18 (Class A), EN 55011, ICES-003, CE (EN55022 Class A and EN55024 Class A) and RoHS requirements.

The unit shall be the Attero Tech unAX2IO+ I/O Interface.